STORAGE SHED FOR FERTILIZER 40 Ton Capacity

COOPERATIVE FARM BUILDING

Plan No. 5966

(1 - SHEET)

PLAN EXCHANGE

This strongly built shed provides dry, convenient storage for bagged fertilizer. The pressure-treated posts are fastened to girders with toothed connectors and galvanized bolts that are strong enough to support a stack of fertilizer 6 feet high. Posts and weather-exposed wood should be pressure treated to the equivalent of 8 pounds of creosote per cubic foot of timber.

Not only strength but also weather tightness, convenience, and resistance to corrosion should be considered when locating and building the shed.

Cut a water-drip, saw kerf into the platform between the two front supporting girders to keep water on the loading platform from running under the sliding door into the storage.

Build the shed near an all-weather road with access to the loading platform. On large plantations or farms, sheds may be strategically placed at points convenient for fertilizer use.

Nails and bolts used for fastening should be corrosion resistant. Hot-dipped galvanized bolts usually give good service in corrosive conditions. Asbestos cement sheets are recommended for siding because they will not corrode.

Posts, floor beams, and flooring should be pressure treated with an oil-base preservative to a retention of 8 pounds per cubic foot.

Complete working drawings may be obtained through your county agricultural agent or from the Extension agricultural engineer at most State agricultural colleges. There is usually a small charge.

ORDER PLAN NO. 5966, STORAGE SHED FOR FERTILIZER, 40-TON CAPACITY

If the working drawings are not available in your State, write to the U.S. Department of Agriculture, Agricultural Engineering Research Division, Plant Industry Station, Beltsville, Md. The U.S. Department of Agriculture does not distribute drawings, but will direct your request to a State that does distribute them.

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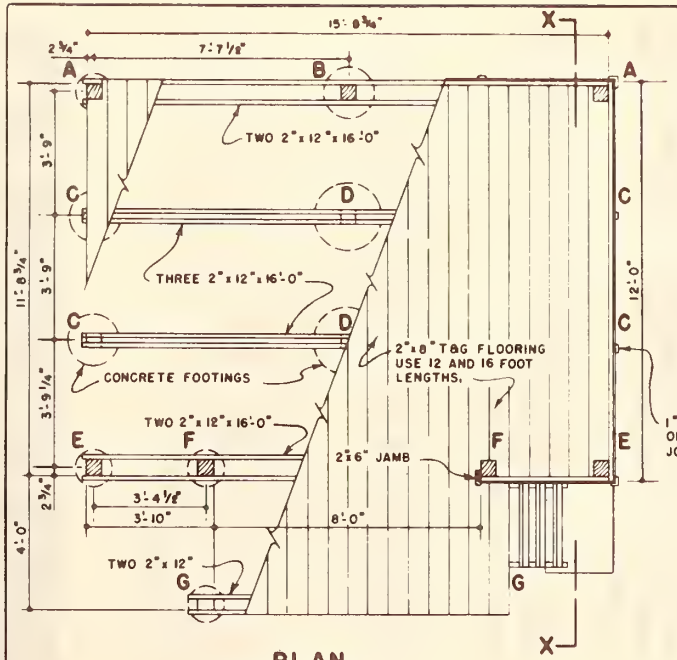


PLAN

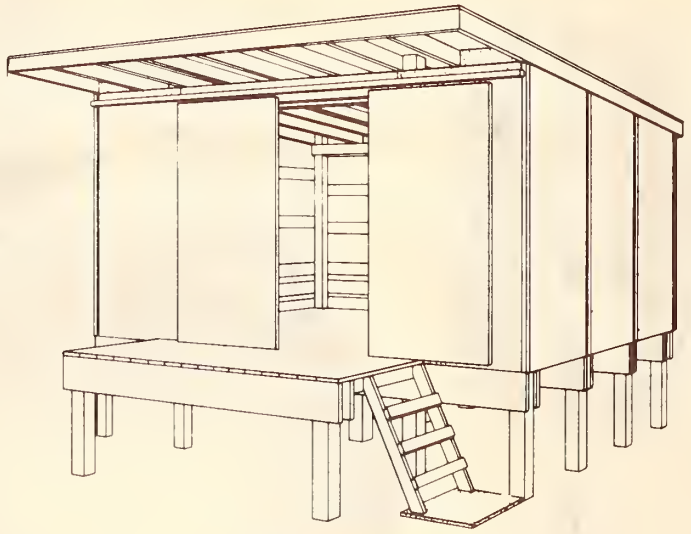
CUT AWAY TO SHOW FLOOR FRAMING

MINIMUM SIZES OF CONCRETE FOOTINGS, AND FLOOR BEAM TO POST CONNECTIONS REQUIRED WHERE INDICATED ON PLAN.

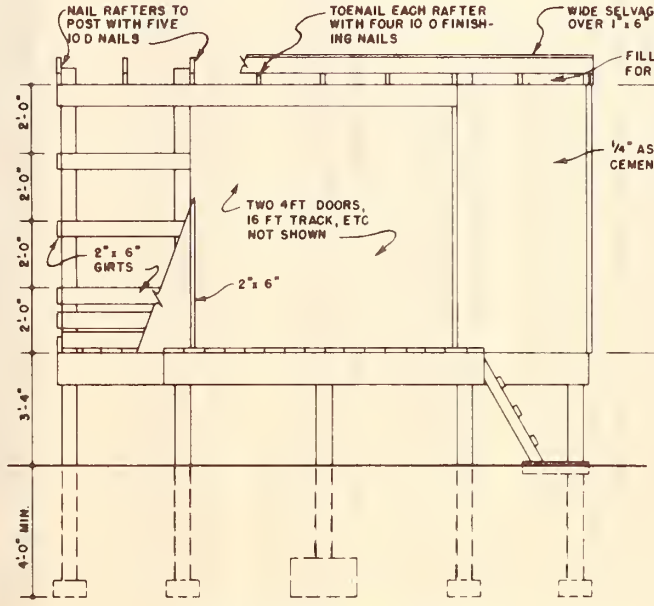
POST	DIAM.	DEPTH	BOLTS	CONNECTORS
A	12"	6"	TWO +	FOUR
B	18"	10"	THREE +	SIX
C	18"	10"		
D	24"	14"		
E	10"	6"	ONE +	TWO
F	12"	6"	TWO +	FOUR
G	10"	6"		

CONNECTORS ARE 2 5/8" DIAM TOOTHED RINGS.

THE 5/8" DIAM. MACHINE BOLTS, LARGE PLATE WASHERS AND ALL NAILS SHALL BE HOT - DIP GALVANIZED OR OTHERWISE TREATED TO BE CORROSION RESISTANT

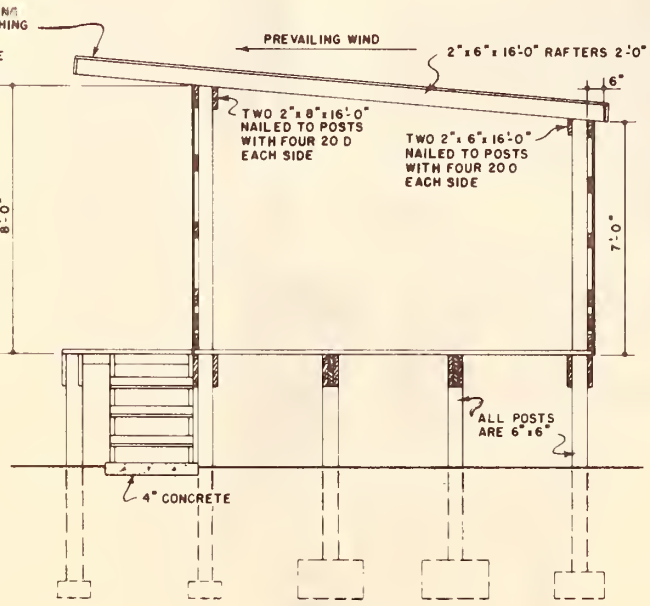


PERSPECTIVE



FRONT ELEVATION

CUT AWAY TO SHOW FRAMING



SECTION X-X

Design assumptions:
Dressed lumber with allowable fiber stress of 1,400 pounds per square inch. Snow loads not to exceed 25 pounds per square foot. Sail-bearing capacity: 4,000 pounds per square foot. Floor loading: 40 tons uniformly distributed.

STORAGE SHED FOR FERTILIZER 40 TON CAPACITY		
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